DISCRETE MATHEMATICS
VOLUME 163, NUMBERS 1–3, 15 JANUARY 1997

CONTENTS

Contributions

D. Alevras
Order preserving assignments without contiguity 1

D.A. Beck
The combinatorics of symmetric functions and permutation enumeration of the hyperoctahedral group 13

A.P. Burger, E.J. Cockayne and C.M. Mynhardt
Domination and irredundance in the queens' graph 47

F. Kalhoff
On projective embeddings of partial planes and rank-three matroids 67

M. Klazar
On well quasiordering of finite languages 81

B. Larose and L. Zádori
Algebraic properties and dismantlability of finite posets 89

X. Li
A lower bound for the connectivity of directed Euler tour transformation graphs 101

E. Prisner
Radius versus diameter in cocomparability and intersection graphs 109

T.J. Reid and L.I. Virden
On rounded five-element lines of matroids 119

M. Salvetti and F. Stumbo
Artin groups associated to infinite Coxeter groups 129

G. Stachowiak
Finding parity difference by involutions 139

Z.-H. Sun
Congruences for Bernoulli numbers and Bernoulli polynomials 153

Y.-J. Tsay and G.J. Chang
The exact gossiping problem 165

P.-J. Wan and D.-Z. Du
A ($\log_2 3+\frac{1}{2}$)-competitive algorithm for the counterfeit coin problem 173

Communication

J. Stefan and P. Charles
Une caracterisation des produits d'arbres et des grilles 201

Notes

D.M. Acketa and V. Mudrinski
Two 5-designs on 32 points 209

H. Aït Haddadène and F. Maffray
Coloring perfect degenerate graphs 211

J. Bang-Jensen and G. Gutin
Vertex heaviest paths and cycles in quasi-transitive digraphs 217

A. Blokhuis and A.E. Brouwer
Determination of the distance-regular graphs without 3-claws 225

A. Borobia
Vertices of the generalized transitive tournament polytope 229

J.S. Caughman IV
Intersection numbers of bipartite distance-regular graphs 235

G. Chen
A result on C_4-star Ramsey numbers 243

Z.-H. Chen
The size of graphs with clique number m and without nowhere-zero 4-flows 247

P.L. Erdős
Splitting property in infinite posets 251

W. Gao
An addition theorem for finite cyclic groups 257

W. Gao
On the number of zero sum subsequences 267

B. Guiduli
On incidence coloring and star arboricity of graphs 275

E. Győri, A.V. Kostochka and T. Łuczak
Graphs without short odd cycles are nearly bipartite 279

X. Keyi and L. Junming
On Srivastava's problems and the properties of Hadamard matrices 285

C.-W. Ko, J. Lee and E. Steingrímsson
The volume of relaxed Boolean-quadric and cut polytopes 293

A. Kostochka and J. Kratochvíl
Covering and coloring polygon–circle graphs 299

J. Lauri
On a formula for the number of Euler trails for a class of digraphs 307

J. Lehel
The partition of a uniform hypergraph into pairs of dependent hyperedges 313

I.A. Stewart
On locating cubic subgraphs in bounded-degree connected bipartite graphs 319

R. Yuster
On packing trees into complete bipartite graphs 325

Author index to volume 163 329